

COMPUTING TECHNOLOGIES, C.A.S.

The **Certificate of Applied Science in Computing Technologies** leads into the AAS Computer Science and AAS Computer Information Technology programs. This program is advantageous to Early College students, in technical programs.

Requirements for the CAS In Computer Technologies:

- Maintain at least a 2.0 GPA in the program
- Act in a manner consistent with the ACM Code of Ethics (<https://www.acm.org/code-of-ethics> (<https://www.acm.org/code-of-ethics/>))

Along with the general education requirements, students will take courses preparing them for many industry-recognized certifications, including Microsoft Certified Professional Certification (MCP) and Linux+.

Career Planning

- IT professional
- Network Administrator
- Systems Technician

Students should average 15 credit hours per semester, or 30 per year, to graduate on time.

Total Degree Credits: 30

Course	Title	Hours
Semester 1		
COLL 101	ORIENTATION TO COLLEGE ¹	0
Writing and Rhetoric (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#wr)		3
Quantitative Reasoning (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#qr) Elective: (MATH 126 is preferred)		3
CS 121	INTRODUCTION TO PROGRAMMING	4
CIT 130	PRIN OF INFORMATION SYSTEMS	3
CS/CIT/SEC Elective ²		3
Hours		16
Semester 2		
CIT 105	INTRODUCTION TO NETWORKS	5
CIT 114	WINDOWS OPERATING SYSTEMS	3
CIT 240	INTRODUCTION TO LINUX	3
SEC 101 or CS 122	SECURITY FUNDAMENTALS or OBJECT-ORIENTED PROGRAMMING	3-4
Hours		14-15
Total Hours		30-31

¹ Institutional Graduation Requirement

² Any non-required CIT, CS or SEC course

Degree requires a total of 30 credit hours. [Core Course Credit Hours : 6]

Code	Title	Hours
Core Courses		
Writing and Rhetoric (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#wr)		3
Quantitative Reasoning (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#qr)		3
COLL 101	ORIENTATION TO COLLEGE ¹	0
Program Courses		
CIT 130	PRIN OF INFORMATION SYSTEMS	3
CS 121	INTRODUCTION TO PROGRAMMING	4
CS/CIT/SEC Elective ²		3
CIT 114	WINDOWS OPERATING SYSTEMS	3
CIT 105	INTRODUCTION TO NETWORKS	5
CIT 240	INTRODUCTION TO LINUX	3
SEC 101	SECURITY FUNDAMENTALS	3-4

2 Computing Technologies, C.A.S.

or CS 122

OBJECT-ORIENTED PROGRAMMING

Total Hours

30-31

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